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PTO/SB/01 (10-01)

Approved for use through 10/31/2002. OMB 0651-0032

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**DECLARATION FOR UTILITY OR
DESIGN
PATENT APPLICATION
(37 CFR 1.63)**

☒ Declaration Submitted with Initial Filing OR ☐ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

Attorney Docket Number **AMKOR-022CB**First Name of Inventor **Sean T. Crowley****COMPLETE IF KNOWN**

Application Number

Filing Date

Herewith

Art Unit

Examiner Name

As the below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original and first inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**METHODS OF MAKING THIN INTEGRATED CIRCUIT DEVICE PACKAGES WITH
IMPROVED THERMAL PERFORMANCE AND INCREASED I/O DENSITY**

(Title of the Invention)

the specification of which

☒ is attached hereto

OR

☐ was filed on (MM/DD/YYYY)

as United States Application Number or PCT International

Application Number and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 2]

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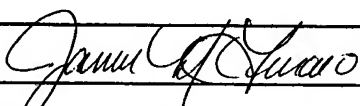
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DECLARATION

ADDITIONAL INVENTOR(S)
Supplemental Sheet
Page 1 of 1

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Robert F.		Darveaux	
Inventor's Signature 		Date <u>10/2/03</u>	
Residence: City Higley	State AZ	Country U.S.A.	Citizenship U.S.A.
Mailing Address 4297 E. Melody Drive			
Mailing Address			
City Higley	State AZ	ZIP 85236	Country U.S.A.
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
James M.		Fusaro	
Inventor's Signature 		Date <u>9/19/03</u>	
Residence: City Scottsdale	State AZ	Country U.S.A.	Citizenship U.S.A.
Mailing Address 13449 N. 76th Street			
Mailing Address			
City Scottsdale	State AZ	ZIP 85260	Country U.S.A.
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
Mailing Address			
City	State	ZIP	Country

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DECLARATION — Utility or Design Patent Application

Direct all correspondence to: ☒ Customer Number or Bar Code Label **007663** OR ☐ Correspondence address below

Name **Mark B. Garred**
STETINA BRUNDA GARRED & BRUCKER

Address

City

State

ZIP

Country

Telephone

Fax

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR: ☐ A petition has been filed for this unsigned inventor

Given Name
(first and middle [if any]) **Sean T.**

Family Name
or Surname **Crowley**

Inventor's
Signature *Sean T. Crowley*

Date **9/18/03**

Residence: City **Phoenix**

State **AZ**

Country **U.S.A.**

Citizenship **U.S.A.**

Mailing Address **826 E. Desert Trumpet**

City **Phoenix**

State **AZ**

ZIP **85048**

Country **U.S.A.**

NAME OF SECOND INVENTOR: ☐ A petition has been filed for this unsigned inventor

Given Name
(first and middle [if any]) **Barry M.**

Family Name
or Surname **Miles**

Inventor's
Signature

Date

Residence: City **Chandler**

State **AZ**

Country **U.S.A.**

Citizenship **U.S.A.**

Mailing Address **1811 West Azalea Drive**

Mailing Address

City **Chandler**

State **AZ**

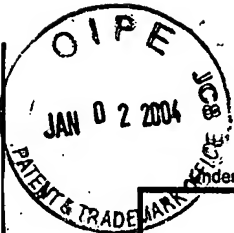
ZIP **85248**

Country **U.S.A.**

☐ Additional inventors are being named on the ____ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

DECLARATION — Utility or Design Patent Application

Direct all correspondence to: <input checked="" type="checkbox"/>		Customer Number or Bar Code Label	007663	OR	<input type="checkbox"/>	Correspondence address below
Mark B. Garred Name STETINA BRUNDA GARRED & BRUCKER						
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.						
NAME OF SOLE OR FIRST INVENTOR :			<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any]) Sean T.			Family Name or Surname Crowley			
Inventor's Signature			Date			
Residence: City Phoenix		State AZ	Country U.S.A.	Citizenship U.S.A.		
Mailing Address 826 E. Desert Trumpet						
City Phoenix		State AZ	ZIP 85048	Country U.S.A.		
NAME OF SECOND INVENTOR:			<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any]) Barry M.			Family Name or Surname Miles			
Inventor's Signature <i>Barry Miles</i>			Date 10/2/03			
Residence: City Chandler		State AZ	Country U.S.A.	Citizenship U.S.A.		
1811 West Azalea Drive Mailing Address						
City Chandler		State AZ	ZIP 85248	Country U.S.A.		
<input type="checkbox"/> Additional inventors are being named on the ____ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.						



STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Sean T. Crowley et al.

Application No./Patent No.: _____ Filed/Issue Date: _____

Entitled: METHODS OF MAKING THIN INTEGRATED CIRCUIT DEVICE PACKAGES WITH IMPROVED THERMAL PERFORMANCE...

Amkor Technology, Inc. a Delaware Corporation
(Name of Assignee) (Type of Assignee, e.g. corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by, percentage) of its ownership interest is _____ %
in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

9/19/03
Date

Paul W. Davis
Typed or printed name/
Paul W. Davis
Signature
Director of Intellectual Property
Title



Please type a plus sign (+) inside this box → ☐

PTO/SB/81 (02-01)

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POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	Unknown
Filing Date	Herewith
First Named Inventor	Sean T. Crowley
Title	Methods of Making Thin...
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	AMKOR-022CB

I hereby appoint:

☒ Practitioners at Customer Number

007663

Place Customer
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☐ OR
Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

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I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name Paul N. Davis

Signature

Date

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☐ Total of _____ forms are submitted.

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